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SEARCH REQUEST FORM

Scientific and Technical Information Center

Inventor's Full Name: MOLLY CEPERLEY (STIC) Examiner #: 59757 Date: 12/27/04
Art Unit: 164 Phone Number: 2-0813 Serial Number: 10/043 394
(Mail Box) and Bldg/Room Location: Rem 3A51 Results Format Preferred (circle): PAPER DISK E-MAIL
REM 3C70

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: 01/10/01

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

① Please search for a "substrate" with a "hydrophobic layer" on top with a "hydrophilic layer" on top of the "hydrophobic layer". See claim 49. Prefer "substrate surface" is silica or glass; "hydrophobic layer" is styrene; "hydrophilic layer" is dimethylacrylamide. There can be a biomolecule attached to the "hydrophilic layer." (See claims 49-69 + 102-110.)

Terms: polymer brush
hydrophobic monomer (p.14)
living free radical polymerization (p.15)
hydrophilic monomer (p.16)
acrylic acid dimethylacrylamide
acrylamide
silica } (p.17)
glass }
silicon }
styrene (L4)

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	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN <u>367 22 400</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
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Date Completed: _____	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>50</u>	Fulltext <input checked="" type="checkbox"/>	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>50</u>	Other _____	Other (specify) _____